

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) Apparatus for controlling underwater equipment comprising:
a frame,
attachment means for attaching underwater equipment to the frame; and
at least one member for generating positive or negative lift and adapted to remove or anchor the underwater equipment to a seabed or a riverbed;
the at least one member being free to rotate around a point through a pre-determined angle, said point being within a perimeter defined by said at least one member, and the at least one member comprising a stop member engageable with a stop member provided on the frame in order to prevent rotation of the at least one member past a pre-determined point.
2. (Original) Apparatus according to claim 1, wherein the at least one member is adapted to create a negative lift due to fluid flow in a first direction and is adapted to create a negative lift due to fluid flow in a second, different, direction.
3. (Original) Apparatus as claimed in claim 2, wherein the first and second directions are generally opposite to each other.
4. (Previously presented) Apparatus as claimed in claim 1, which, in use, is adapted to anchor the underwater equipment to a sea- or river-bed.
5. (Previously presented) Apparatus according to claim 1, wherein the attachment means is adapted to attach the underwater equipment in close proximity to the centre of gravity of the apparatus.
6. (Previously presented) Apparatus according to claim 1, wherein the apparatus is mounted on a number of feet equipped with slippage prevention means, to resist slipping by shear force such that, in use, the negative lift will preferably tend to force said slippage prevention means into a sea- or river-bed thus resisting the drag forces acting on the apparatus tangentially to the seabed.
7. (Previously presented) Apparatus as claimed in claim 1, wherein the at least one member comprises at least one hydrofoil.

8. (Previously presented) Apparatus according to claim 1, wherein differences in pressure acting on opposing surfaces of the at least one member due to a predetermined angle of attack causes said at least one member to generate negative or positive lift.

9. (Previously presented) Apparatus as claimed in claim 1, which is adapted to control the launch and/or recovery of the underwater equipment.

10. Canceled.

11. (Previously presented) Apparatus according to claim 1, wherein the at least one member comprises at least one hydrofoil capable of passive rotation about an axis such that each hydrofoil maintains alignment with a periodically reciprocating rectilinear flow.

12. (Previously presented) Apparatus as claimed in claim 1, wherein said at least one member is moveable between a first configuration in which it is capable of generating positive lift and a second configuration in which it is capable of generating negative lift.

13. (Original) Apparatus according to claim 12, wherein the at least one member has a variable actuating means to vary the positive or negative lift generated by the member.

14. (Previously presented) Apparatus according to claim 12, wherein the at least one member is rotatable between said first and second configurations about a longitudinal axis thereof.

15. (Previously presented) Apparatus according to claim 12, wherein a shaft member is adapted to actuate the at least one member to change it between the first and second configurations.

16. (Currently amended) Apparatus for controlling underwater equipment comprising:

attachment means for attaching underwater equipment to the apparatus;

at least one member for generating positive or negative lift and adapted to remove or anchor the underwater equipment to a seabed or a riverbed;

and a support framework, where each of said at least one members is rotatably coupled on a shaft member connected to the framework and is free to rotate through a pre-determined angle.

17. (Original) Apparatus according to claim 16, wherein the at least one member comprises a bearing member by means of which it is coupled to a shaft member connected to the support framework.

18. (Original) Apparatus according to claim 17, wherein the bearing member and shaft member combine to provide a rotation enabling portion and a rotation prevention portion.

19. (Original) Apparatus according to claim 18, wherein the rotation prevention portion comprises one or more stop members which are adapted to engage with one or more respective stop members mounted on the respective bearing member.

20. (Original) Apparatus according to claim 19, wherein the bearing member is substantially cylindrical and comprises a pair of stop members which are spaced apart around its inner circumference.

21. (Previously presented) Apparatus according to claim 19, wherein the shaft member comprises a pair of stop members which are spaced apart around its outer circumference.

22. (Original) Apparatus according to claim 21, wherein one of the bearing stop members is engageable with a respective shaft stop member to define a first negative configuration and the other of the bearing stop members is engageable with the other of the shaft stop members to define a second negative configuration.

23. (Previously presented) Apparatus as claimed in claim 1, wherein the at least one member is rigidly connected to a support framework.

24. (Previously presented) Apparatus as claimed in claim 23, wherein the at least one member comprises a main plane and a central axis, and has rotational symmetry about its central axis such that, in use, it is adapted to produce positive or negative lift regardless of the direction of flow of fluid thereby.

25. (Previously presented) Energy extracting apparatus for extracting energy from fluid flow, said energy extracting apparatus comprising:

a turbine;

and apparatus as claimed in claim 16.

26. (Previously presented) A method of controlling underwater equipment; the method comprising:

providing an apparatus as claimed in claim 16;

attaching the apparatus to underwater equipment;

releasing the apparatus into a fluid;

allowing fluid to flow past the at least one member to generate positive or negative lift.

27. (Original) A method as claimed in claim 26, wherein the apparatus is placed in a flow of water.

28. (Original) A method as claimed in claim 26, wherein the underwater equipment is a turbine.

29. Canceled.